GENERAL NOTES:

1) ALL WIRE AND CONDUIT MUST BE INSTALLED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS, AND MUST MEET ALL APPLICABLE CODES.

2) ALL WIRE AND CABLE MUST BE RATED FOR FIRE ALARM USE PER THE LATEST REVISIONS OF THE NATIONAL ELECTRICAL CODE SECTION 760. THIS IS A POWER LIMITED FIRE ALARM SYSTEM, ALL CABLE MUST BE MARKED FPL,

3) ALL CONDUCTORS MUST TEST FREE OF GROUND BEFORE MAKING CONNECTION TO THE FIRE ALARM CONTROL PANEL.

4) TO RETAIN WARRANTY, THE FIRE ALARM EQUIPMENT MUST BE POWERED UP UNDER THE DIRECTION OF A QUALIFIED MANUFACTURERS TECHNICIAN.

5) THE LIFE SAFETY SYSTEM IS A COMPLETELY SUPERVISED SYSTEM.

6) INSTALLING ELECTRICAL CONTRACTOR SHALL COORDINATE ALL FIELD CHANGES WITH THE FIRE ALARM CONTRACTOR INCLUDING CHANGES IN DEVICES, WIRE, CONDUIT RUNS AND OPERATION IN THE SYSTEM. FIRE ALARM CONTRACTOR SHALL NOT BE HELD RESPONSIBLE FOR UNDOCUMENTED CHANGES, OR THE RESULTS CAUSED BY THOSE CHANGES.

7) LIFE SAFETY AUDIBLE SHALL BE AUDIBLE THROUGHOUT THE SPACE AND SHALL HAVE A SOUND PRESSURE LEVEL NOT LESS THAN 15db ABOVE AMBIENT NOISE LEVEL MEASURED AT 4'0" ABOVE FINISHED FLOOR.

8) MAIN BUILDING FIRE ALARM & SUPPRESSION SYSTEMS SHALL BE CLASS "B" IN CONFIGURATION. PRE-ACTION & DELUGE ALARM SYSTEMS SHALL BE CLASS "A" IN CONFIGURATION. CLASS "A" APPLICATIONS SHALL MAINTAIN A MINIMUM SEPARATION OF 4 FEET BETWEEN FEED AND RETURN CIRCUITS.

9) LOCATE ALL PULL STATIONS AND HORN/STROBE UNITS AT SPECIFIED HEIGHTS PER NFPA 72 AND ADA SEE DETAIL SHEET.

10) SMOKE DETECTOR LOCATIONS ARE FOR REFERENCE ONLY AND SHALL BE INSTALLED PER NFPA 72.

11) ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ROUGH-IN INSTALLATION WITH THE FIRE ALARM CONTRACTOR.12) SMOKE DETECTORS ON CEILINGS MUST BE NO MORE THAN 15' FROM A

WALL AND/OR NO MORE THAN 30' FROM EACH OTHER. REDUCED SPACING MAY ALSO BE REQUIRED. SEE PLAN DRAWINGS FOR PROJECT-SPECIFIC LOCATIONS.

13) ALL FIRE ALARM DEVICES SHALL BE RIGIDLY AND SECURELY FASTENED TO WALLS OR CEILINGS.14) NO SMOKE DETECTOR SHALL BE LOCATED CLOSER THAN 36" TO ANY AIR

RÉGISTER OR DIFFUSER.

15) NO HEAT DETECTOR SHALL BE LOCATED CLOSER THAN 24" TO ANY AIR REGISTER OR DIFFUSER.

16) NO HEAT DETECTOR SHALL BE LOCATED CLOSER THAN 36" TO ANY PART OF ANY HEAT GENERATING DEVICE (FUSES, BOILERS, WATER HEATERS, ETC.) IN MECHANICAL ROOMS.

17) NO HEAT DETECTOR SHALL BE LOCATED CLOSER THAN 18" TO ANY PART OF ANY LIGHT FIXTURE.

18) INITIATING AND SIGNALING CIRCUITS ARE SEPARATE YET MAY BE RUN IN SAME CONDUIT.

19) ALL CONDUCTORS SHALL BE LABELED BY ZONE AND ALL COLOR CODES SHALL MATCH.

20) DEVICES THAT ARE UNABLE TO BE INSTALLED PERMANENTLY DURING DEVICE TRIM SHALL BE SPLICED THROUGH TO ALLOW DEVICES AND CIRCUIT DOWNSTREAM TO BE PRE-TESTED. THIS INCLUDES ALL CIRCUITS (SPEAKER CIRCUITS, STROBE CIRCUITS, ADDRESSABLE LOOP CIRCUITS, 24VDC CIRCUITS, FIREFIGHTERS TELEPHONE CIRCUITS, ETC.)

21) THESE DRAWINGS DO NOT SUPERSEDE THE CONTRACT DRAWINGS AND SPECIFICATIONS, THEY ARE INTENDED AS A SUPPLEMENT ONLY AND MUST BE USED IN CONJUNCTION WITH THE CONTRACT DOCUMENTS. THEY DO NOT MODIFY THE CONTRACTORS OBLIGATIONS TO CONFORM TO THE PROJECTS ORIGINAL DESIGN CRITERIA.

	FIRE ALARM SYMBOL LEGEND							
SYMBOL	QTY	DESCRIPTION	MODEL #	BACKBOX/DIMENSIONS				
Œ	8	HORN/STROBE	GC-HDVM	4" SQ BOX 2 1/8" DEEP CEILING MOUNTED				
¤	1	STROBE	GC-VM	4" SQ BOX 2 1/8" DEEP				

CABLE LEGEND:

ALL WIRING AND INSTALLATION METHODS SHALL BE IN COMPLIANCE WITH CURRENT RELEVANT NATIONAL ELECTRICAL CODE ARTICLES AND RELATED SECTION CODE REQUIREMENTS.

WIRING INSTALLATION NOTES:

* LABEL ALL ZONE WIRES WITH ZONE NUMBER TAG AND DESCRIPTION.

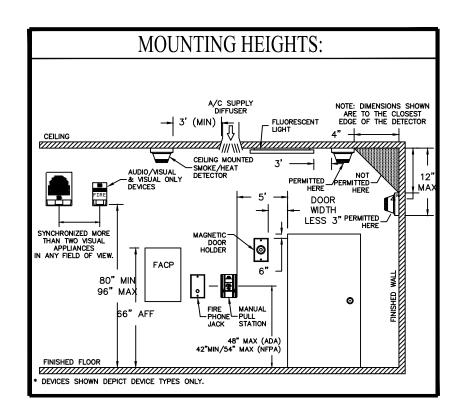
* LABEL ALL SIGNAL CIRCUIT WIRES WITH SIGNAL CIRCUIT NUMBER TAG

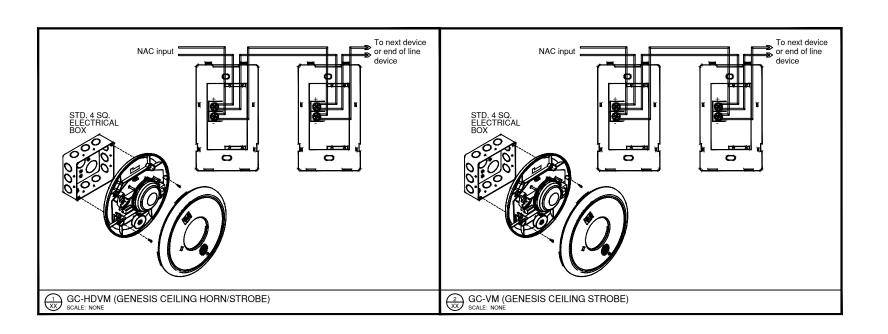
* LABEL ALL SIGNAL CIRCUIT WIRES WITH SIGNAL CIRCUIT NUMBER TAG AND DESCRIPTION.
* LABEL ALL NETWORK, ANNUNCIATOR AND I/O CONTROL CIRCUIT WIRING WITH CIRCUIT NUMBER TAG

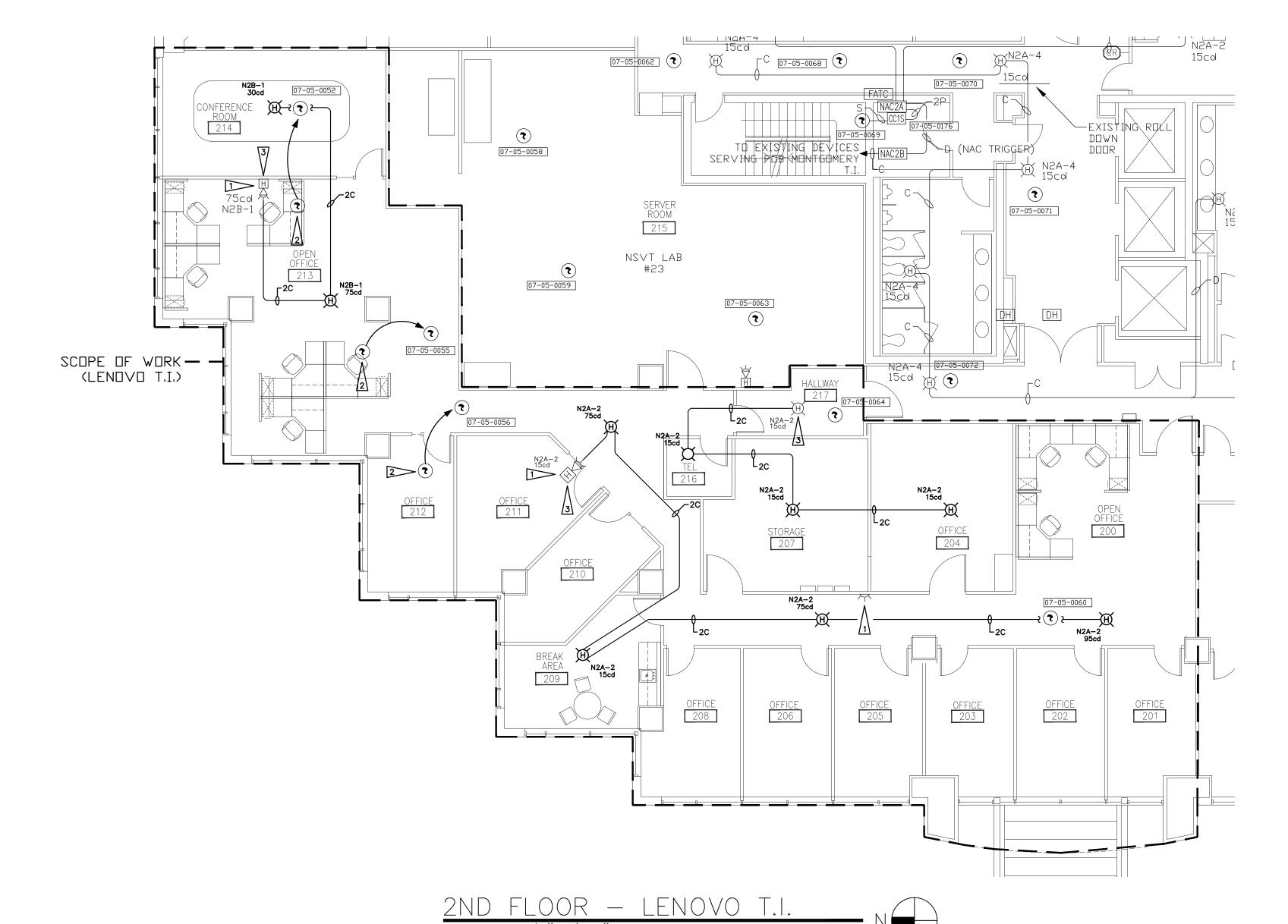
* VERIFY WITH OWNER AND GENERAL CONTRACTOR THAT OPEN CABLE IS ALLOWED ON SPECIFIC SITE.

* VERIFY WITH OWNER AND GENERAL CONTRACTOR FOR ANY SPECIFIC SITE REQUIREMENTS FOR

Letter	Qty	Open Wiring Cable Type	Conduit Wiring Cable Type	Size	Function
С	1 Pair	FPL(P) Red/Blk	Red/Blue THHN	14	Horn / Strobe
D	2 Pair	FPL(P) Red/Blk	Red/Blue THHN	14	Horn / Strobe Loop



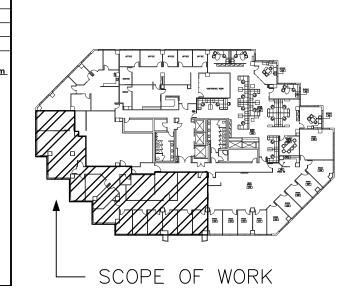




VOLTAGE DROPS - NAC PANELS						
batt Description: 15cd HORN-STROBE 30cd HORN-STROBE 75cd HORN-STROBE 95cd HORN-STROBE						
WAGH-35 WAGH-35 WAGH-35 WAGH-35 WAGH-35 WAGH-35						
Critical (WM) Control (MM) 0.0740 0.0910 0.02190 0.2770	Circuit #	<u>Description</u>	Current (Amps)	Distance (Feet)	Voltage <u>Drop</u>	
2 3 1 1 5 1 1 2 4 4 Total: 8 12 2 2 2	N2A-3 N2A-4 N2A-AUX	2ND FLOOR - MALCOM PIRNIE TI - HORN/STROBES 2ND FLOOR - MALCOM PIRNIE TI - HORN/STROBES 2ND FLOOR - WHY NOT YOU T.I./EXISTING - HORN/STROBES 2ND FLOOR - WHY NOT YOU T.I./EXISTING - HORN/STROBES SPARE Total Current Draw for Nac #2A - Capacity Used -	0.640 1.005 1.879 0.660 0.000 4.184 64.369%	140 300 350 200	0.452 1.523 3.321 0.667 0.000	
1 1	N2B-1 N2B-2 N2B-3 N2B-4 N2B-AUX	2ND FLOOR - EXISTING - HORN/STROBES	1.643 1.300 1.300 1.300 0.000	250 200 200 200	2.074 1.313 1.313 1.313 0.000	
Total : 0 0 1 1 0)	Total Current Draw for Nac #2B - Capacity Used -	5.543 85.277%			

	•	ne: LENOVO T.I. @ Carillon Buildin er: 301-FN-F213	g 3000	<u>Total</u> Standby:	0.0700	<u>Total</u> <u>Alarm:</u>	3.1540
Pow	•	#: BPS6A (Existing)	ı				
		on: 2nd Floor Electrical Room				Time(Hours)	
			Total Standby Current Required =	0.0700	х	24	1.6800
			Total Alauma Courant Danoina d	2.15.40	_	Time (Minutes)	•
			Total Alarm Current Required =	3.1540	Х	0.0833	0.2627
				:	Total Standby	& Current =	1.9427
					20% Deplet	tion Factor =	0.3885
						i	
				<u>Tc</u>	otal Amp/Hou	r Required =	2.3313
					otal Amp/Houi		
<u>Qty</u>	<u>Part Number</u>	<u>Description</u>			•		7.0000
_	<u>Part Number</u> /ER SUPPLY	<u>Description</u>		Total Amp/	Hour Batteries Total Standby	Required =	7.0000
POW		<u>Description</u> NAC PANEL		Total Amp/	Hour Batteries Total Standby	Required =	7.0000
POW 1	/ER SUPPLY BPS6A ESIS STROBE - CEI	NAC PANEL		Total Amp/l Standby Current (A)	Hour Batteries Total Standby (A)	Required = Alarm Current (A)	7.0000 Total Alar (A)
POW 1	/ER SUPPLY BPS6A	NAC PANEL		Total Amp/l Standby Current (A)	Hour Batteries Total Standby (A)	Required = Alarm Current (A)	7.0000 Total Alar (A)
POW 1 GENI	/ER SUPPLY BPS6A ESIS STROBE - CEI GC-VM	NAC PANEL		Standby Current (A) 0.0700	Hour Batteries Total Standby (A) 0.0700	Alarm Current (A)	7.0000 Total Alar (A) 0.2700
POW 1 GENI 8 GENI 12	VER SUPPLY BPS6A ESIS STROBE - CEI GC-VM ESIS HORN-STROI GC-HDVM	NAC PANEL ILING MOUNTED 15cd STROBE BE - CEILING MOUNTED 15cd HORN-STROBE		Standby Current (A) 0.0700	Hour Batteries Total Standby (A) 0.0700	Alarm Current (A)	7.0000 Total Alar (A) 0.2700 0.5920
POW 1 6ENI 8 6ENI 12 2	VER SUPPLY BPS6A ESIS STROBE - CEI GC-VM ESIS HORN-STROI GC-HDVM GC-HDVM	NAC PANEL ILING MOUNTED 15cd STROBE BE - CEILING MOUNTED 15cd HORN-STROBE 30cd HORN-STROBE		Standby Current (A) 0.0700	Hour Batteries Total Standby (A) 0.0700 0.0000	Alarm Current (A) 0.2700 0.0740	0.2700
POW 1 GENI 8 GENI 12 2 2	VER SUPPLY BPS6A ESIS STROBE - CEI GC-VM ESIS HORN-STROI GC-HDVM	NAC PANEL ILING MOUNTED 15cd STROBE BE - CEILING MOUNTED 15cd HORN-STROBE		Standby Current (A) 0.0700 0.0000	Hour Batteries Total Standby (A) 0.0700 0.0000	Alarm Current (A) 0.2700 0.0740	7.0000 Total Alar (A) 0.2700 0.5920 1.0920

Project Numl	me: LENOVO T.I. @ Carillon Buildin per: 301-FN-F213 el #: BPS6A (Existing)	g 3000	Total Standby:	0.0700	<u>Total</u> <u>Alarm:</u>	5.8130
	on: 2nd Floor Electrical Room	<u>Total Standby Current Required = </u>	0.0700	х	Time(Hours) 24	1.6800
		Total Alarm Current Required =	5.8130		<u>Fime (Minutes</u> 0.0833	0.4842
		iotai Aiaiii Cuirent Keyuneu -	-1	Total Standby		2.1642
				20% Deplet	ion Factor =	0.4328
			<u>Tc</u>	tal Amp/Hou	Required =	2.5971
				tal Amp/Hour	•	2.5971 7.0000
Qty Part Number	<u>Description</u>			, ,	•	7.0000
Qty Part Number POWER SUPPLY	<u>Description</u> NAC PANEL		Total Amp/l	Hour Batteries	Required =	7.0000
POWER SUPPLY			Total Amp/l Standby Current (A)	Hour Batteries Total Standby (A)	Required = Alarm Current (A)	7.0000 Total Alarm (A)
POWER SUPPLY 1 GENESIS HORN-STRO 1 GC-HDVM	NAC PANEL DBE - CEILING MOUNTED 30cd HORN-STROBE		Standby Current (A) 0.0700	Hour Batteries Total Standby (A) 0.0700	Alarm Current (A) 0.2700 0.1240	7.0000 Total Alarm (A) 0.2700 0.1240
POWER SUPPLY 1 GENESIS HORN-STRO	NAC PANEL DBE - CEILING MOUNTED		Standby Current (A)	Hour Batteries Total Standby (A) 0.0700	Alarm Current (A)	7.0000 Total Alarm (A) 0.2700
POWER SUPPLY 1 GENESIS HORN-STRO 1 GC-HDVM	NAC PANEL DBE - CEILING MOUNTED 30cd HORN-STROBE 75cd HORN-STROBE		Standby Current (A) 0.0700	Hour Batteries Total Standby (A) 0.0700	Alarm Current (A) 0.2700 0.1240	7.0000 Total Alarm (A) 0.2700 0.1240
POWER SUPPLY 1 GENESIS HORN-STRO 1 GC-HDVM 1 GC-HDVM	NAC PANEL DBE - CEILING MOUNTED 30cd HORN-STROBE 75cd HORN-STROBE Existing Horn/Strobes		Standby Current (A) 0.0700	Hour Batteries Total Standby (A) 0.0700	Alarm Current (A) 0.2700 0.1240	7.0000 Total Alarm (A) 0.2700 0.1240
POWER SUPPLY 1 GENESIS HORN-STRO 1 GC-HDVM 1 GC-HDVM EXISTING CURCUITS	NAC PANEL DBE - CEILING MOUNTED 30cd HORN-STROBE 75cd HORN-STROBE		Standby Current (A) 0.0700 0.0000 0.0000	(A) 0.0700 0.0000 0.0000	Alarm Current (A) 0.2700 0.1240 0.2190	7.0000 Total Alarm (A) 0.2700 0.1240 0.2190





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DRAWING SHEETS: I-3.2

DRAWING DATE: 02-19-2016

FINAL REVIEW DONE BY:

Lt. Chappell 04/13/2016 MOΛΩN

REV	DESCRIPT	TION	DATE	APPROVED
0	ISSUED FOR PERMIT		04-01-2016	
DRAV	WN BY:	TRAVIS P.		
PROJ	ECT ENGINEER:	JHOEL B.		
PROJ	ECT MANAGER:	DAVE C.		
JOB N	NUMBER:		(30I-FN-5007)	
SCAL	LE: 1/8" = 1'-0"	DATE	l:	
C	ARILLON PO 3260 CARIL	_	ILDING ()INT ROA	

2ND FLOOR

FIRE ALARM SYSTEM

FA-2.0

Must Remain On Site